# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021985.D
Acq On : 23 Apr 2025 20:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Apr 24 03:48:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 89 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 47.777 | 4.4 | 92 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 52.907 | -5.8 | 94 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 51.633 | -3.3# | 93 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 48.050 | 3.9 | 92 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 52.833 | -5.7 | 96 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 50.711 | -1.4 | 92 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 51.374 | -2.7 | 94 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 47.560 | 4.9 | 92 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 53.082 | -6.2 | 92 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 271.003 | -8.4 | 93 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 50.622 | -1.2# | 95 | 0.00 |
| 13 | T | Acrolein | 250.000 | 221.962 | 11.2 | 84 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 50.922 | -1.8 | 94 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 260.235 | -4.1 | 92 | 0.00 |
| 16 | T | Acetone | 250.000 | 277.523 | -11.0 | 93 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 49.851 | 0.3 | 94 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 65.783 | -31.6# | 113 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 53.937 | -7.9 | 94 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 47.741 | 4.5 | 93 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 51.597 | -3.2 | 96 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 54.633 | -9.3 | 97 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 261.069 | -4.4 | 90 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 51.745 | -3.5 | 96 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 259.912 | -4.0 | 92 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 46.218 | 7.6 | 86 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 52.678 | -5.4 | 95 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 52.352 | -4.7 | 94 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 270.025 | -8.0 | 90 | 0.00 |
| 30 | C | Chloroform | 50.000 | 52.674 | -5.3# | 97 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 47.836 | 4.3 | 91 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 50.501 | -1.0 | 94 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 50.567 | -1.1 | 89 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 91 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 48.036 | 3.9 | 88 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 49.576 | 0.8 | 94 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 49.830 | 0.3 | 90 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 49.270 | 1.5 | 94 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 48.882 | 2.2 | 90 | 0.00 |
| 40 | TM | Benzene | 50.000 | 51.247 | -2.5 | 97 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 55.549 | -11.1 | 96 | -0.01 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 50.511 | -1.0 | 94 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 51.170 | -2.3 | 91 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 49.992 | 0.0 | 95 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 51.797 | -3.6# | 97 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 51.478 | -3.0 | 96 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 52.158 | -4.3 | 97 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 55.485 | -11.0 | 95 | 0.00 |

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ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Apr 24 03:48:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 1012.716 | -1.3 | 93 | -0.01 |
| 50 | S | Toluene-d8 | 50.000 | 49.228 | 1.5 | 87 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 274.054 | -9.6 | 93 | 0.00 |
| 52 | CM | Toluene | 50.000 | 52.400 | -4.8# | 96 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 50.489 | -1.0 | 91 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 50.867 | -1.7 | 94 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 52.183 | -4.4 | 95 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 55.495 | -11.0 | 94 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 52.608 | -5.2 | 96 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 283.049 | -13.2 | 92 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 276.764 | -10.7 | 93 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 52.212 | -4.4 | 96 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 53.149 | -6.3 | 97 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 50.778 | -1.6 | 91 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 94 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 48.334 | 3.3 | 94 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 49.681 | 0.6 | 96 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 49.668 | 0.7 | 95 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 51.378 | -2.8# | 96 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 102.908 | -2.9 | 96 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 52.097 | -4.2 | 95 | 0.00 |
| 70 | T | Styrene | 50.000 | 53.214 | -6.4 | 96 | 0.00 |
| 71 | P | Bromoform | 50.000 | 50.339 | -0.7 | 94 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 93 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 50.697 | -1.4 | 95 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 50.131 | -0.3 | 91 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 48.999 | 2.0 | 94 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 46.479 | 7.0 | 92 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.463 | -0.9 | 96 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 49.920 | 0.2 | 93 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 49.937 | 0.1 | 94 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 51.084 | -2.2 | 94 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 44.920 | 10.2 | 84 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 49.644 | 0.7 | 94 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 51.406 | -2.8 | 95 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 50.836 | -1.7 | 94 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 49.918 | 0.2 | 93 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 50.097 | -0.2 | 93 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 48.508 | 3.0 | 94 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 47.659 | 4.7 | 93 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 48.022 | 4.0 | 89 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 48.414 | 3.2 | 95 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.214 | 1.6 | 94 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 48.442 | 3.1 | 96 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 46.881 | 6.2 | 90 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 45.289 | 9.4 | 92 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 54.762 | -9.5 | 100 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 48.643 | 2.7 | 94 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6